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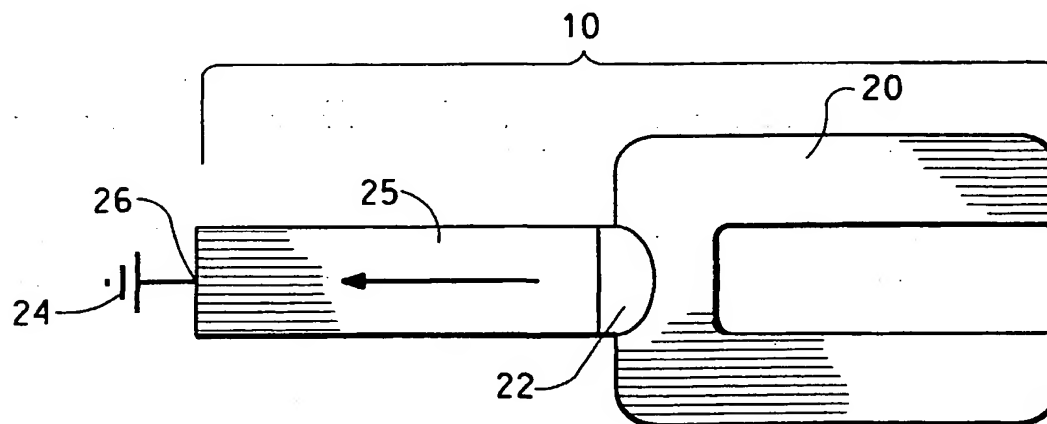
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(54) Title: CARBON FIBER COMPOSITE TRANSFER MEMBER WITH REFLECTIVE SURFACES



(57) Abstract: A method of transporting precision equipment materials without absorption of thermal energy through the heat sensitive material or device such as flat panel displays. The transfer member has a carbon fiber reinforced composite material body with a layer of metal film on the top and bottom surfaces of the transfer member that provides a reflective surface. Flat panel displays, for example, release radiant thermal energy that is absorbed by the carbon fiber reinforced composite which is detrimental to the flat panel display. The reflective surface created by the metal film prevents the energy absorption by the carbon fiber reinforced composite. A glass fiber and epoxy layer on the metal film surface protects the metal film.